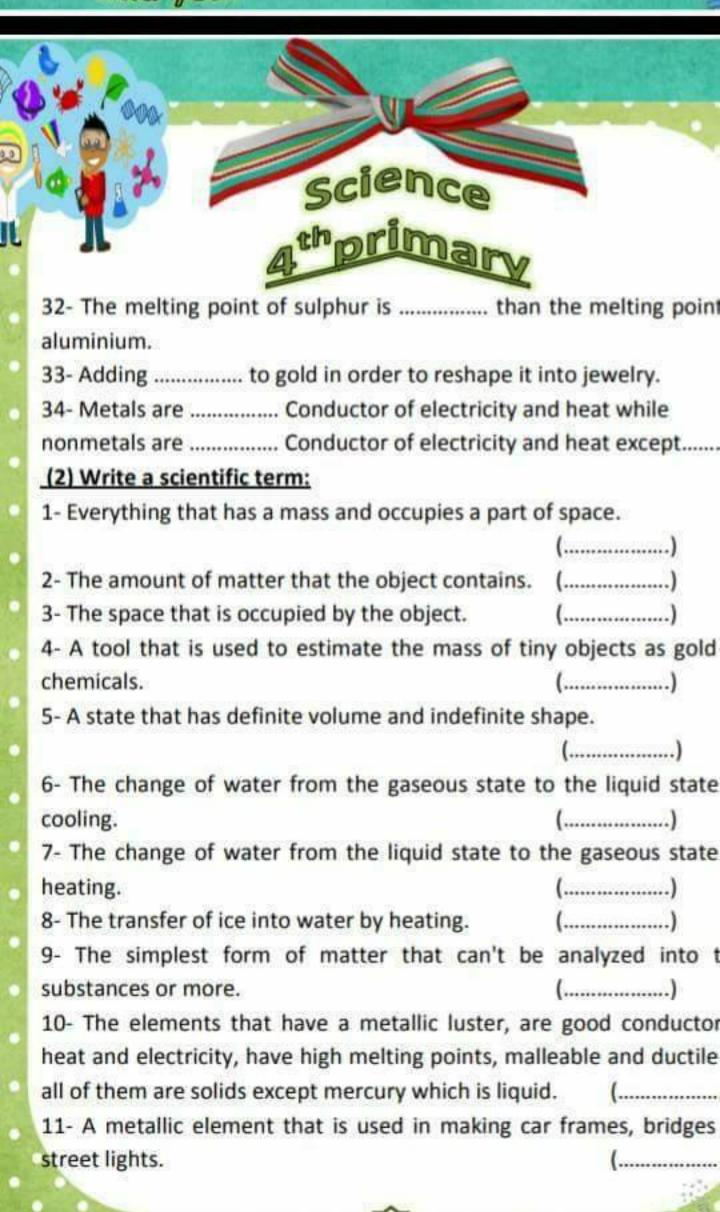


| 1- A matter has and |
|---|
| 2- Measuring tape is used for measuring |
| 3- Measuring units of length and and |
| 4- Measuring units of mass and and |
| 5- Measuring units of volumeandand |
| 6 is a tool used for measuring the irregular solid bodies |
| liquids. |
| 7 is a tool used for measuring the mass of gold |
| chemicals while is a tool used for measuring the mass of masses like fruits. |
| 8- 1000 kilogram = |
| 9- The volume of a brick = × × |
| 10- Five meters equal centimeters. |
| 11- When your classmate puts a piece of iron in a baker that completely filled with water, a quantity of 20 cm ³ of water is pout out, so the volume of the piece of iron equals |
| 12 unit is used to measure the distance between Cairo |
| Damietta. |
| |
| 13- The space occupied by a cube with one meter side equals |



| as a second |
|--|
| 14- Amr calculated the mass of four pieces of different materials th |
| are equal in volume. he compared the mass of each of them amr |
| wants to prove that equal volumes of different materials have |
| *************************************** |
| 15- States of matter are and and |
| 16- Matter that takes the shape of its container and its volume ca |
| be changed is |
| 17- On transferring water from one pot to another, its shape |
| 18- Matter can be pressed in case of its State. |
| 19- There are a definite shape and a definite volume in the |
| 20- The change of matter from the solid state into the liquid sta |
| accompanied with |
| 21- Gold industries need Process. |
| 22- Increasing the temperature of water to the boiling point cha |
| water into |
| 23- poles of electric cells are made up of |
| 24- The group of elements that doesn't have luster is known as |
| 25- Electric wires are made up of |
| 26- Gold and silver are used in manufacturing |
| 27- All the materials you see in your environment are made u |
| ************************************** |
| 28- We use in manufacturing bridges. |
| 29 Can be bent, while Cannot be bent. |
| 30 is a liquid-metal, while sulphur is a |
| 31- Silver is a shiny element, so it belongs to, while sulph |
| an element that doesn't have luster so, it belongs to |





(3) Give reason for:

- 1- Air is a matter.
- 2- When some pieces of stones are put in a glass full of wat amount of water is spilled out of the glass.
- 3- Salt is a solid matter, while oil is a liquid matter.
- 4- Air is a gaseous matter.
- 5- The shape of water inside the cylindrical container differs from shape inside the conical container.

6- On putting a mixture of gravels and water in a refinery with mi

- holes, water passes, while gravels remains in the refinery.
- 7- On making tea, water drops are formed on the cover of teapot.
- 8- Appearance of some water droplets on the plant leaves.
- 9- The glass bottle which is put on the freezer of the refriger shouldn't be full of water.
- 10- Gaseous matter is compressed and packed in cylinders.
- 11- A piece of copper has a definite shape when we carry it fro vessel (container) to another one.
- 12- Iron is an element.
- Gold and silver are used in making jewelers.
- 14- Cooking pans are made of aluminum.
- 15- Electric wires are made of copper.
- 16- Handles of cooking pots are made of wood or plastic.
- 17- The melting point of iron nail is higher than that of the sul crystals.



18- When making an electric circuit with a foil paper, the electric lights, but when making an electric circuit with a sulphur crystal electric lamp doesn't light.

19-Iron ,copper and aluminum are good conductors of heat.

20-If you get out a bottle of water from refrigerator and leave it i air water drops are formed on its outer surface.

21-Gold and silver aren't used in manufacturing of bridges.

(4)What happens when:

- 1-Rising the temperature of a piece of ice.
- 2-Putting a glass full of water in the freezes for 24 hours.

(5)Cross the odd word

- 1-Aluminium-Mercury-Iron-Sulphur.
- 2-Bromine-Iron-Phosphorus-Sulphur.
- 3-Aluminium-Mercury-Iron-Copper.
- 4-Carbon-Bromine-Phosphorus-Sulphur.

(6) Comparison between:

1- Solids, liquid and gas

| Point of comparison | solid | liquid | Gas |
|---------------------|--------------|--------|-----|
| Volume | | | |
| Shapes | 222242222224 | | |



2- The change of matter process

| Point of comparison | Melting process | freezing process | Evaporatio n process | Condensation process |
|---------------------|-----------------|---|----------------------|---|
| From | ********** | ************ | ************* | *************************************** |
| Into | | | | |
| Ву | | *************************************** | | |

3- Metals and non metals.

| Point of comparison | Metals | non – Metals |
|---------------------------|--------|---|
| Having luster | | *********** |
| Electric conductivity | | |
| Heat conductivity | | ********** |
| malleability ductile | | *************************************** |
| Boiling melting point | | *********** |
| State at room temperature | | *********** |
| Example | | |

7-Put (v) or (x) and correct the wrong sentence:

| 1-Sensitive balance is used to measure the mass of jewels. | (|) |
|--|-----|---|
| 2-The graduated ruler is used to measure the mass. | (|) |
| 3-The graduated tape is used to measure the mass of fruits | and | |
| vegetables. | (|) |
| 4-Carbon and sulphur have not luster. | (|) |
| 5-On rising up the temperature of a piece of wax it melts. | (|) |
| 6-Freezing is a change of solid matter to liquid state. | (|) |



| 7-On decreasing the temperature of the water vapour, it condenses. | |
|--|---|
| () | |
| 8-All metals are solid elements in normal temperature except Brom | ì |
| it is liquid element () | |
| 9-Liquid matter have definite shapes and definite volumes. | |
| () | |
| 10-Solids are changing their shapes and volumes According to the | |
| container. () | |
| 11-Sulphur is non- metal element and good conductor to electricity | |
| () | |
| 12-graduated ruler is used to determine the volume of irregular small | į |
| stone. () | |
| 13-The mass of equal volumes of different materials is equal. | |
| () | |
| 14-condensation is the change of matter from liquid state to the solid | i |
| state. () | |

15-Metals are the simplest form that the matter found on it.

8-What is meant by:

- 1- Melting.
- 2- Mass.
- 3- Metals.

M f wi

تم التعليق بواسطة ماسا كمال على منشور لك في جروب رابع..

1. A change in appearance of substance without any change in its



9- Write the scientific term:

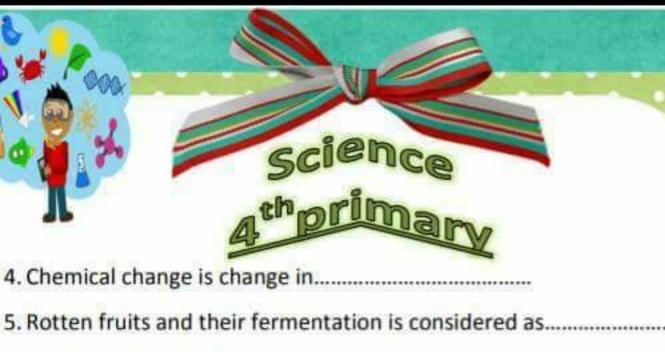
14. The most beautiful planet

Mid-vear

| tructure. | () |
|--|--------------------------|
| 2. A change occurs when sugar is burned | () |
| 3. Ending with the same substance that we start | ed with |
| | () |
| 4. No formation of new substance | () |
| 5. The largest body in solar system | () |
| 6. Shiny objects radiate heat and light and appear | ar at sky at night |
| | () |
| 7. The smallest planet in the solar system | () |
| 8. Dark bodies revolve around the sun in fixed o | rbits() |
| 9. The nearest planet to the sun | () |
| 10. The biggest planet in the solar system | () |
| 11. The planet that has colored rings around it | () |
| 12. Dark bodies revolve around some planets and | reflect sunlight falling |
| s surface | () |
| 13. A dark body revolve around the sun and we li | ve on it. |
| | () |
| | |

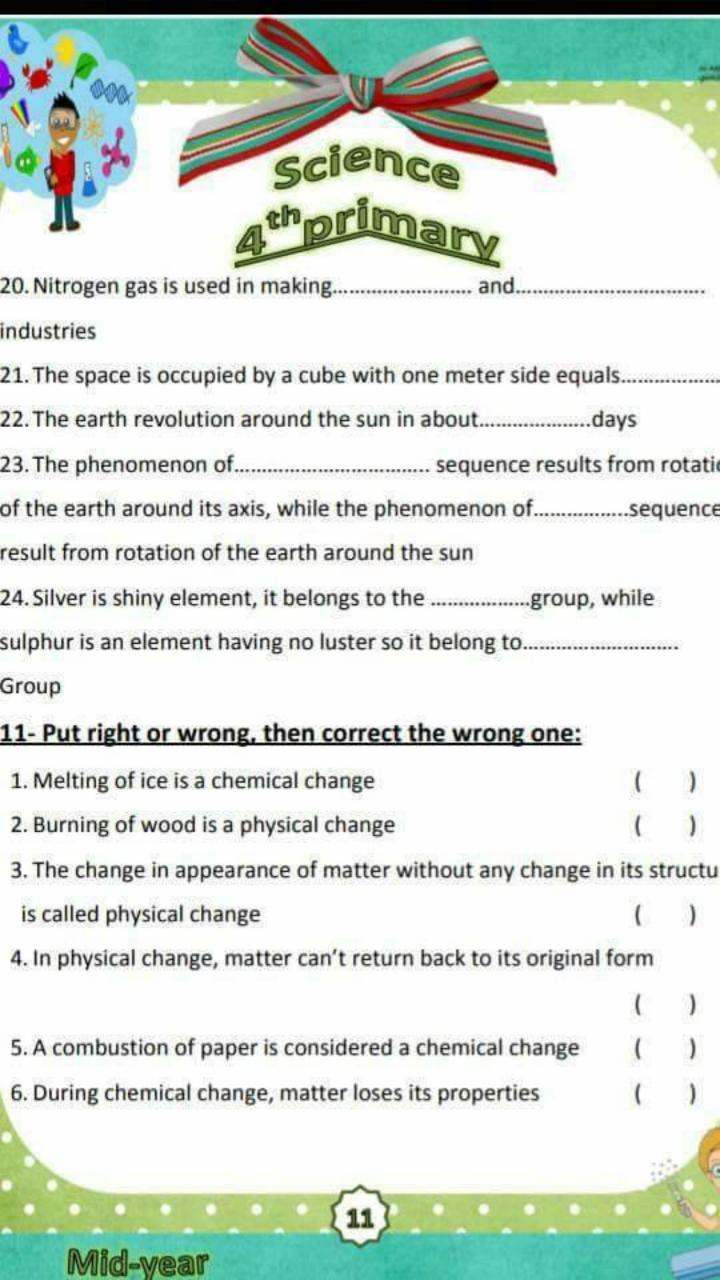


| 4th primary | |
|---|-------------------|
| 15. A phenomenon occurs when the earth revolves | around its axis |
| | () |
| 16. A phenomenon occurs when the earth revolves a | around the sun |
| | () |
| 17. A season in which day is longer than night | () |
| 18. A season in which day is shorter than night | () |
| 19. Seasons where the hours of day are nearly equal | to those of night |
| | () |
| 20. A dark body that seems bright as it reflects sunlig | ght. |
| | () |
| 21. A gas that is used with acetylene in cutting and v | velding metals. |
| | () |
| 22. The most abundant gas in atmospheric air. | () |
| 23. A gas used in respiration of all living organisms. | () |
| 24. A substance used to test the presence of carbon | dioxide in air. |
| | () |
| 10- Complete the following: | |
| 1. Burning of wood is considered as a | change |
| 2. Melting of ice is considered as a | change |
| 3. Boiling of water and its vapour release is conside | red as achange |
| | |



- vax is considered a..... change

 Burning of wood is considered a..... change
- .O. Solid state gas state
- 1. The...... is located in the center of the solar system and there ire.....revolve around it in fixed orbits
- 2. The earth is located between.....and.....and.....
- 3. The...... is the smallest planet, while..... is the farthest planet from the sun
- 4. Mars is known as...... planet, while Neptune is the.....
- 5. Day is longer than night in.....
- 6. Day is shorter than night in.....
- 7. The hours of day are equal to those of night in...... and..... and......
- .8. Solar year equals..... day.
- 9. Green plants depend on.....gas in the process of photosynthesis



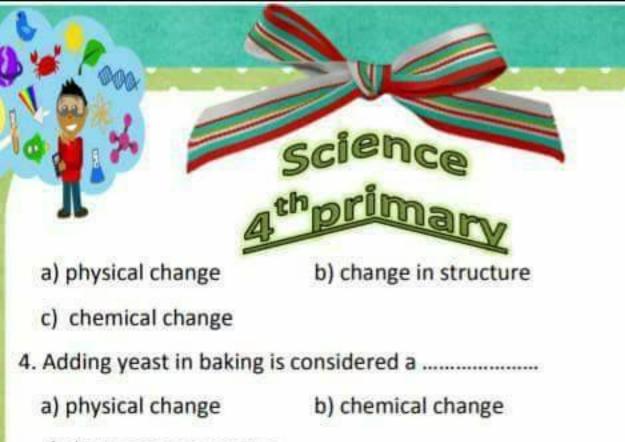


| 4 Distry | | |
|---|--------|-----|
| 7. The change of matter from solid state to liquid state is con | sidere | ed |
| physical change | (|) |
| 8. The sun is nearest star to us | (|) |
| 9. The biggest body in solar system is Jupiter | (|) |
| 10. Planets are dark bodies that don't emit light | (|) |
| 11. The closest two planets to the earth are mars and Saturn | (|) |
| 12. The number of planets that revolve around the sun is nine | plane | ts |
| | (|) |
| 13. Neptune is the blue planet and mars is the coldest planet | (|) |
| 14. Saturn has colored rings around it | (|) |
| 15. The moon is a dark body but seems bright as it reflects sur | light | |
| | (|) |
| 16. The sun rises from east and sets to west | (|) |
| 17. The earth revolves around its axis once every 42 hours | (|) |
| 18. The rotation of earth around the sun lead to sequence of o | lay an | d n |
| | (|) |
| 19. The earth revolves around the sun once every 365 ¼ day | (|) |
| 20. The hours of day are equal to those of night in summer an | d autu | ımr |
| | (|) |
| 21. In winter season the day is shorter than night | (|) |

- Adding table salt to water with stirring produces:
 - a) new substance

- is an example of the physical change.
 - a) burning of candle
- b) iron rust
- c) dissolving of sugar in water
- Putting a bottle of water in the freezer of refrigerator for a period of

hours causes to water.



- c) change in appearance
- 5. The nearest planet to the sun is
- 6. The biggest planet is
- a) the earth b) Mercury
 - Mercury c) Jupiter

c) Neptune

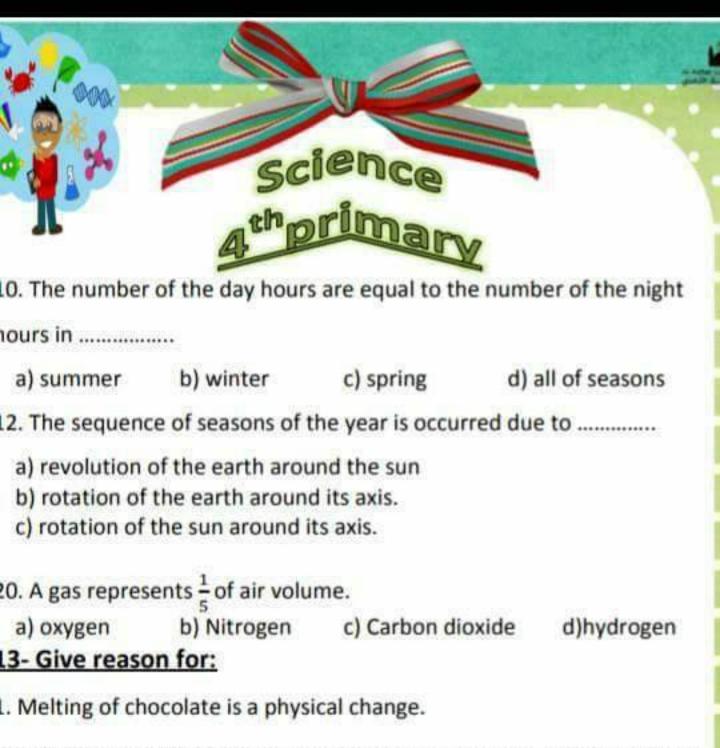
- 7. The sun is a star because it
 - a) absorbs light

a) the earth

b) reflect light

b) Mercury

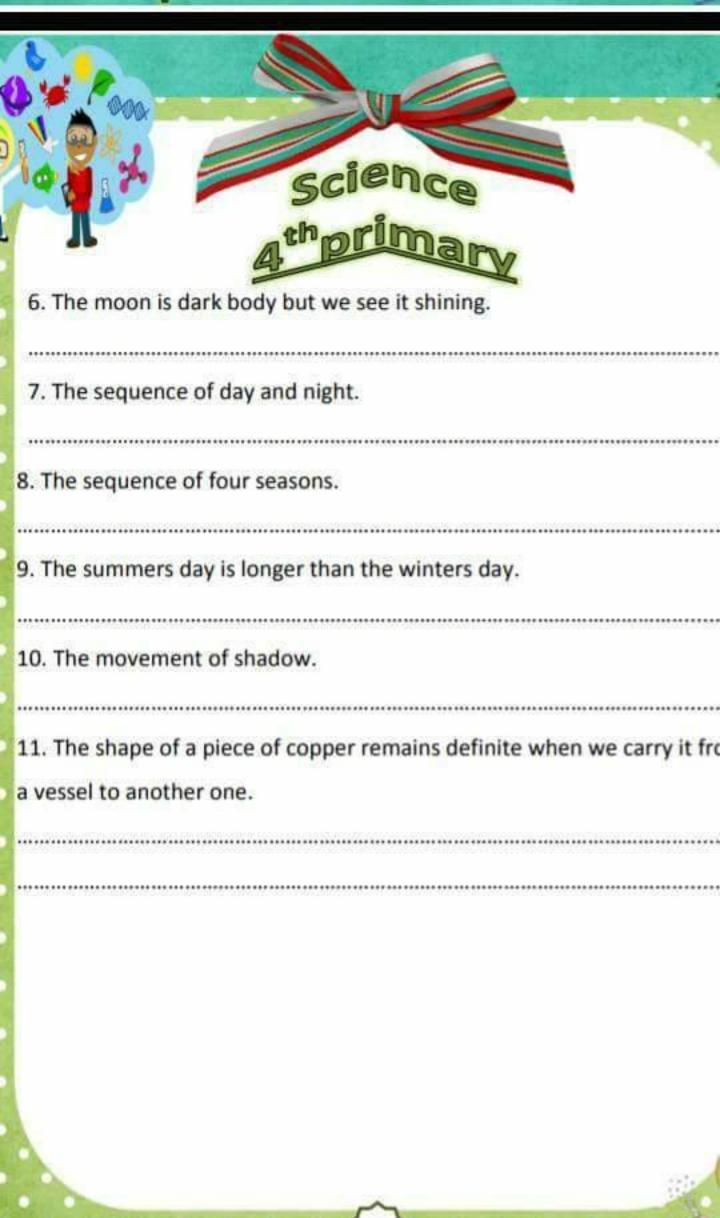
- c) radiates light
- d) let light pass through
- 8. We see the moon shining because it
 - a) absorbs light
- b) reflects light
- c) radiate light
- d) let light pass through it light pass
- 9. The sequence of day and night is occurred due to
 - a) revolution of the earth around the sun.
 - b) rotation of the earth around its axis.
 - c) rotation of the sun around its axis.



- 2. Producing of yoghurt from milk is chemical change.
-

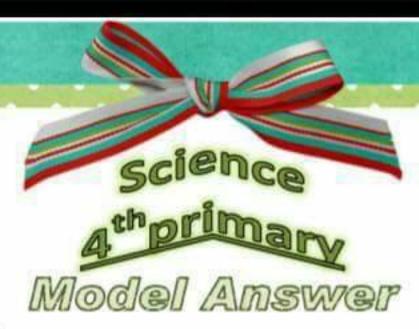
Paper recycling is a physical change.

- I. The sun is a star while the earth is a planet.
- 5. The stars seem very small in size.





| Item | Its importance | | |
|---|---|--|--|
| 1-The sun | It's the main source of heat and light On the earth's surface. | | |
| 2-Rotation of the earth Around its axis: | It causes the sequenceof day and Night. | | |
| 3-Rotation of earth Around the sun: | It causes the sequence of four seasons | | |
| 6-Oxygen gas | It's necessary for respiration process and burning (combustion)of fuels (food). Divers carry oxygen cylinders on their backs to respire Under the water surface. It's used with acetylene in cutting and welding Of metals. | | |
| 7-Carbon dioxide gas | -It's used by green plants to make their own food By photosynthesis process. -It's used in making soda water. -It's used in making fire extinguishing equipments | | |
| 8-Nitrogen gas | -It reduces the effect of oxygen gas in the Combustion process. -It's used in the industry of ammonia and some Nitrogenous fertilizers. | | |
| 9-Limewater | It's used to test the presence of carbon dioxide gas | | |



(1) Complete:

- 1- mass · volume
- 2-length
- 3- centimeter · meter · kilometer 4- gram · kilogram · Ton
- 5- cubic centimeter · cubic meter · liter · milliliter
- 6- Graduated cylinder
- 7- sensitive balance · common balance
- 8-1 Ton 9- length + width + height
- 10- 500 11- 20 cm³
- 12- kilometer 13- one cubic meter
- 14- different masses 15- solid · liquid · gas
- 16- liquid 17- changes
- 18- gaseous 19- solid
- 20- increase in temperature 21- melting
- (heating)
- 22- water vapour (gas) 23- carbon (graphite)
- 24- non metals 25- copper
- 26- jewelers 27- elements
- 28- iron 29- metal nonmetal
- 30- Mercury · solid-non metal 31- metals · non metals
- 32- lower 33- copper
- 34- good + bad + carbon



(2) Write a scientific term:

- 1- A matter
- 3- Volume
- 5- liquid
- 7- Evaporation process
- 9- Element
- 11-Iron

- 2- Mass
- 4- Sensitive balance
- 6- condensation process
- 8- Melting process
- 10- Metals

(3) Give reason for:

- Because it has mass and volume.
- 2- Because the piece of stone have volume that replaces the volume spilled water.
- 3- Because salt has definite shape and volume, while oil has defi volume and indefinite shape.
- 4- Because it has indefinite shape and volume.
- 5- Because water is a liquid with indefinite shape take the shape of container.
- 6- Because water is a liquid with indefinite shape while gravels are with definite shape.
- 7- Due to condensation of water vapour.
- 8- Due to condensation of water vapour in air.
- 9- Not to be explode.
- 10- Because it has indefinite shape and volume.
- 11- Because it is a solid matter.
- 12- Because it can't be analyzed into two substances or more.
- 13- Because they can be shaped, and have luster (metals).



- 14- Because aluminium is a metal that is good conductor of heat.
- 15- Because copper is a metal that is good conductor of electricity.
- 16- Because they are bad conductor of heat.
- 17- Because iron is a metal while sulphur is a non metal.
- 18- Because foil paper is a metal that is good conductor of elective while sulphur is a non metal that is bad conductor of electricity.
- 19-Because they are metals.
- 20-Due to the condensation of water vapour that found in air on it surface.
- 21-Because they are used in manufacturing of jewelries.

(4)What happens when:

- 1-It melts and changes into water.
- 2-It explodes.

(5)Cross the odd word

- 1-Sulphur.
- 2- Iron.
- 3-Mercury.
- 4-Bromine.

(6) Comparison between:

1- Solids, liquid and gas.

| Point of comparison | solid | liquid | Gas |
|---------------------|----------|------------|------------|
| Volume | Definite | Definite | Indefinite |
| Shapes | Definite | Indefinite | Indefinite |



2- The change of matter process.

| Point of comparison | Melting process | freezing process | Evaporation process | Condensation |
|---------------------|-----------------|------------------|---------------------|--------------|
| From | Solid | Liquid | Liquid | Gas |
| Into | Liquid | Solid | Gas | Liquid |
| Ву | heating | cooling | heating | cooling |

3- Metals and non metals.

| Point of comparison | Metals | non – Metals | |
|------------------------------|--|---|--|
| Having luster | Shiny | haven't luster | |
| Electric conductivity | Good conductor of electricity | Bad conductor of electricity Except carbon | |
| Heat conductivity | Good conductor of heat | Bad conductor of hea | |
| malleability ductile | Malleable and ductile (can be bent) | Not malleable and ductile (can't be bent | |
| Boiling melting point | High | Low | |
| State of room temperature | Solids except mercury (liquid) | - solids (carbon) -liquid (bromine) - Gases (oxygen) | |
| Example | Iron – corer | Sulphur - carbon | |

7-Put (v) or (x) and correct the wrong sentence:

- 1- (V)
- 2- (x) The graduated ruler is used to measure the length.
- 3- (x) The common balance is used to measure the mass of the fru and vegetables.



- 4- (V)
- 5- (V)
- 6- (x) Freezing is a change of liquid matter to solid state.
- 7- (V)
- 8- (x) except Mercury.
- 9- (x) Liquid matter have indefinite shapes &definite volumes.
- 10-(x) Gases are changing their shapes and volumes according container.
- 11-(x) carbon (graphite) is non-metal element and good conduced electricity.
- 12-(x) Graduated cylinder is used to determine the volume of i small stone.
- 13-(x) The mass of equal volumes of different materials is different
- 14-(x) Freezing.
- 15-(x) Elements are the simplest form that the matter found on it.

8-What is meant by:

- 1-Melting: the changes of matter from solid state to liquid sta heating.
- 2-Mass: the amount of matter in an object.
- 3-Metals:solid elements except (mercury),have high melting &b points, have ability to conduct heat & electricity,can be hammered and have luster.



9- Write the scientific term:

- 1. Physical change
- 2. Chemical change
- 3. Physical change
- 4. Physical change
- 5. The sun
- 6. Stars
- 7. Mercury
- 8. Planets
- 9. Mercury
- 10. Jupiter
- 11. Saturn
- 12. Moons
- 13. Earth
- 14. Venus
- 15. Sequence of day and night
- 16. Sequence of four seasons
- 17. Summer season
- 18. Winter season
- 19. Spring and autumn





- 20. Moon
- 21. Oxygen gas
- 22. Nitrogen gas
- 23. Oxygen gas
- 24. Lime water

10- Complete the following:

- 1. Chemical
- 2. Physical
- 3. Physical
- 4. Structure producing new substance with new properties
- 5. Chemical change
- 6. Melting
- 7. Physical, chemical
- 8. Physical, chemical
- 9. Chemical



- 11. Sun, 8 planets
- 12. Venus, mars
- 13. Mercury, Neptune



- 14. Red planet, blue planet
- 15. Summer
- 16. Winter
- 17. Spring, autumn
- 18.365 1/4
- 19. Carbon dioxide
- 20. Ammonia, nitrogenous fertilizers
- 21. One cubic meter(1 m³)
- 22. Day and night, four seasons
- 23. Metal, non-metal

11- Put right or wrong:

- 1. (x), physical change
- 2. (x), chemical change
- 3. (√)
- 4. (x), can return back
- 5. (V)
- 6. (V)
- 7. (V)
- 8. (V)
- 9. (x), sun

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science 4th primary

- 10.(V)
- 11.(x), mars and Venus
- 12.(x), 8 planets
- 13.(x), mars is red planet
- 14.(V)
- 15.(V)
- 16.(V)
- 17.(x), 24 hours
- 18.(x), around its axis
- 19.(V)
- 20.(x), spring and autumn
- 21.(V)
- 22. (x), summer
- 23. (V)
- 24.(x), 1/5
- 25.(x), oxygen
- 26.(x), oxygen
- 27.(√)
- 28.(x), nitrogen and oxygen
- 29.(x), nitrogen

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- 30.(x), carbon dioxide gas
- 31.(V)
- 32.(x), water vapour

12- Choose the correct answer:

- 1) physical change
- 2) dissolving of sugar in water
- 3) physical change
- 4) chemical change
- 6) Mercury
- 7) Jupiter
- 8) radiates light
- 9) reflects light
- 10) rotation of earth around its axis
- 11) spring
- 12) revolution of the earth around the sun
- 13) oxygen



13-Give reason for:

- 1. Because it changes in appearance not in structure.
- Because it changes in appearance and structure producing new substance with new properties.
- 3. Because it changes in appearance and not in structure.
- Because the sun is a shiny body and radiates a heat and light, while
 earth is a dark body revolves around the sun in a fixed orbit.
- 5. Because they are very far away from us.
- 6. Because it reflects the sunlight.
- 7. Because earth revolves around its axis once every 24 hours.
- 8. Because the earth revolves around the sun once every $365\frac{1}{4}$ Day.
- 9. Because the earth's axis is inclined.
- 10. Due to rotation of earth around its axis or due to the apparent movement of the sun.
- 11. Because it is solid and it has definite shape and volume.

Good Luck !